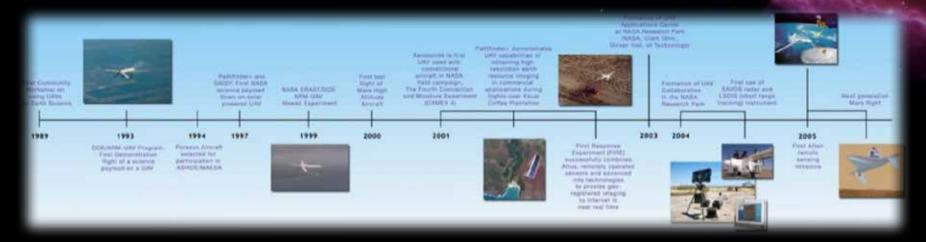




Cross-cutting Role of Unmanned Aircraft Systems

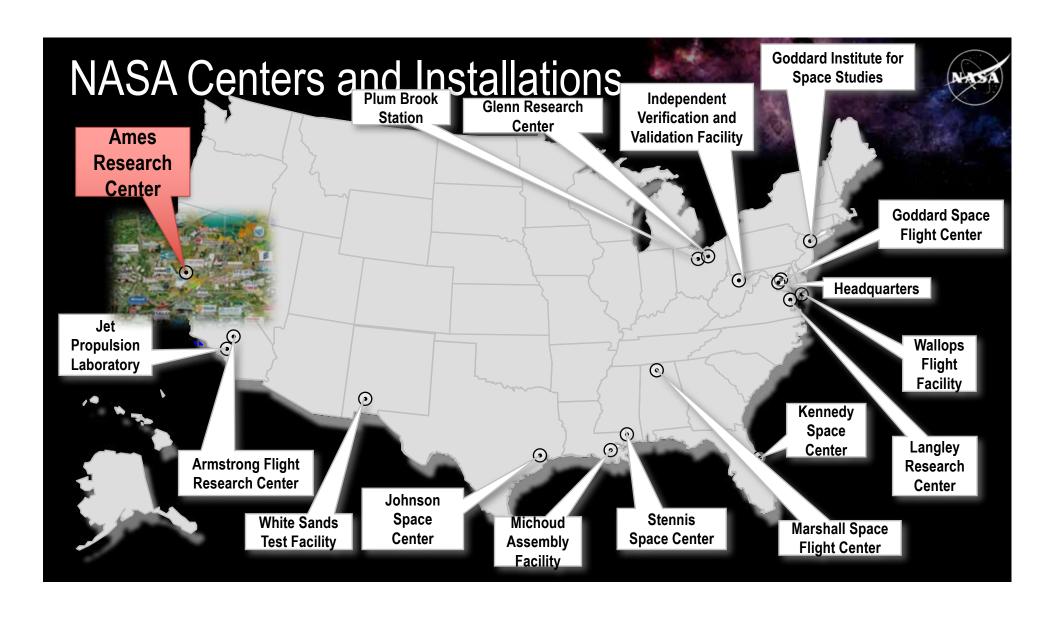


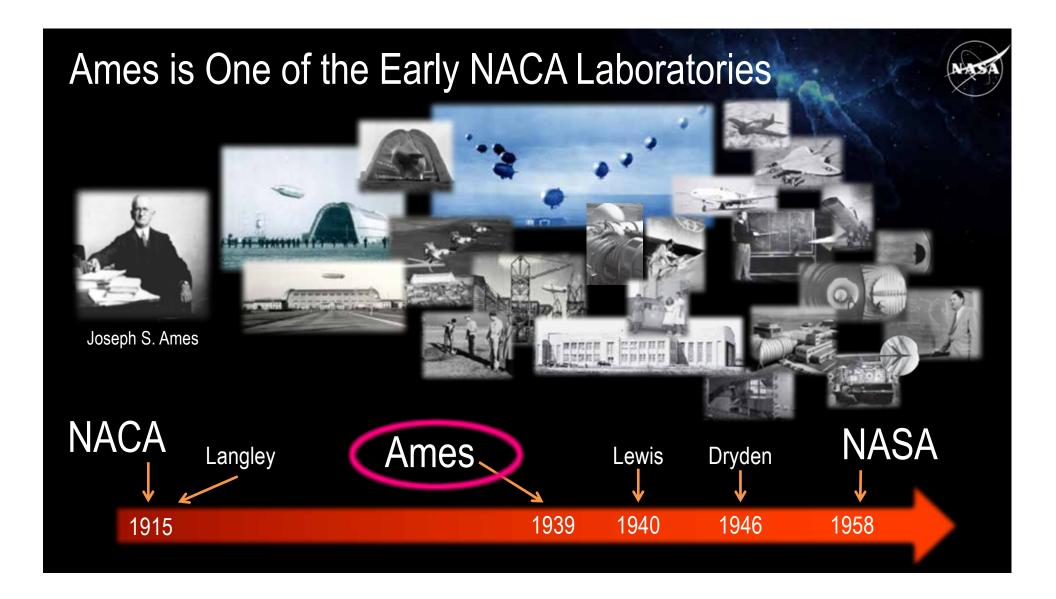


Allow NASA projects to extend measurements and test new technologies

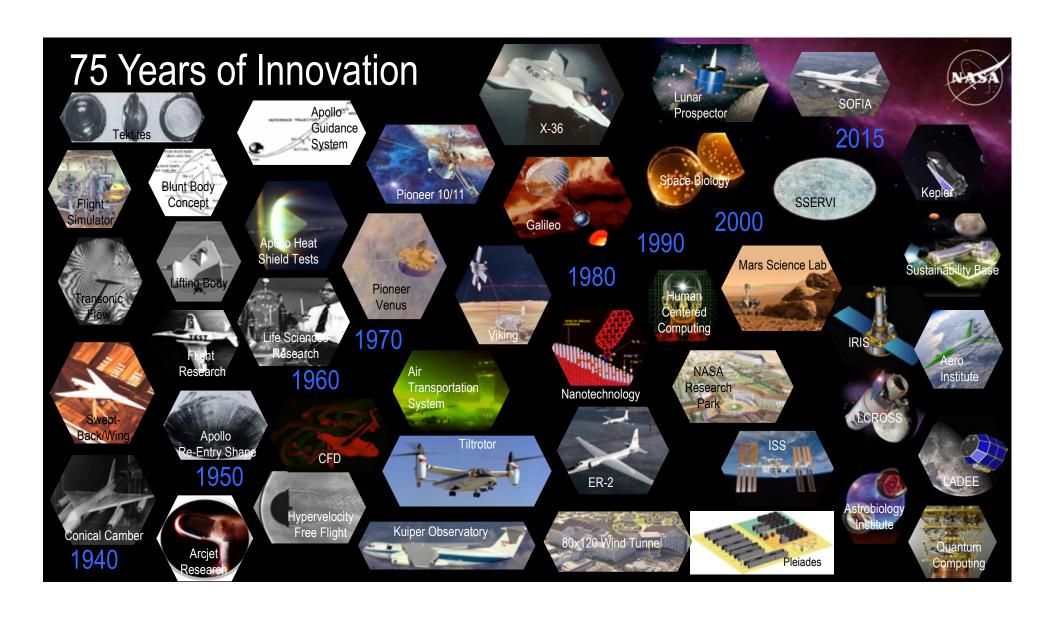
Provide a pathway for NASA instruments from ground, to balloon, to aircraft, to space.

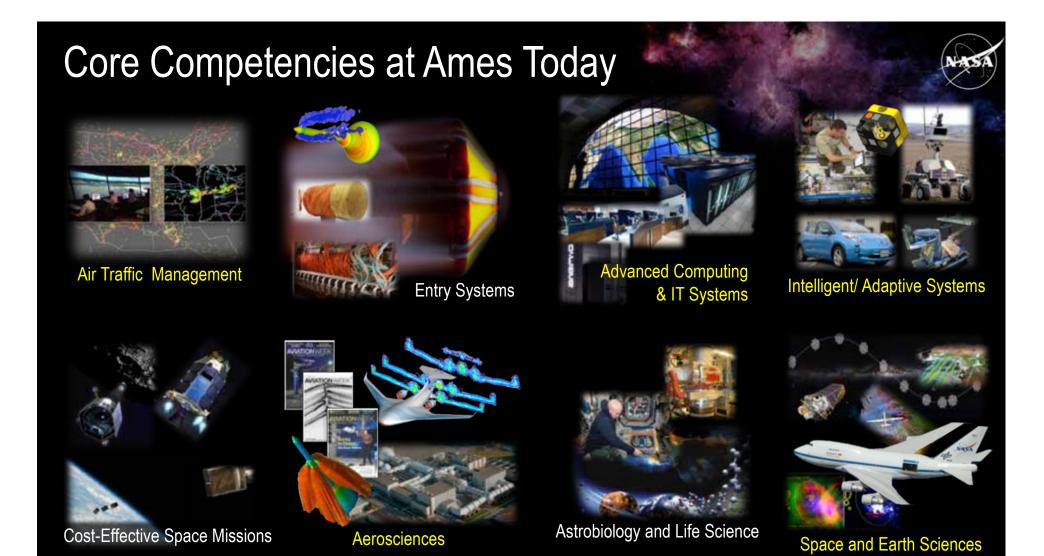
Play a substantial role in civilian services as NASA and FAA work to develop safe and effective means for integrating them into the National Airspace System







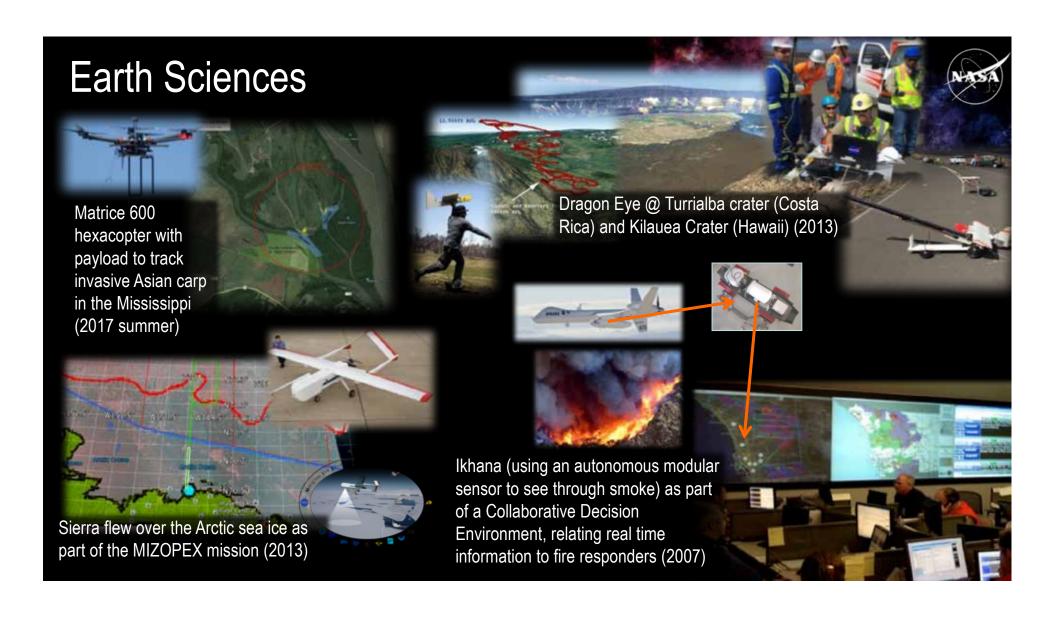












Partnerships at Ames

Commercial





Partnerships and UTM

Commercial

- Use cases and operational needs
- Readiness of technologies (e.g., sense & avoid)
- Validation of the concept of operations
- Participation in flight tests and demonstration
- Technology options for vehicle

14 Partner Organizations

2 Simultaneous Altitude Stratified Expanded Operations

11 UAS Platforms















- Subject matter expertise
- Concept of operations
- Information requirements
- Roles/responsibilities definition
- Integration & interoperability needs
- Engagement on potential solutions

NASA

- Concept of operations
- Overall UTM information architecture and data exchange definition
- UTM research platform, flight test planning and execution
- Performance requirements for operations including planning, scheduling, track/locate, sense & avoid